



MADRAS SCHOOL OF SOCIAL WORK

(An Autonomous Institution affiliated to the University of Madras)

Accredited by NAAC With "A" Grade

PG DEPARTMENT OF HUMAN RESOURCE & Organization Development

SIX SIGMA- Value added course
Suresh kumar & Dasarathi Bhakhavathalam

LEARNING OBJECTIVES :

- TO. COMMUNICATE USING LEAN SIX SIGMA CONCEPTS AND RELATE SIX SIGMA CONCEPTS TO BUSINESS OBJECTIVES.
- TO USE THE DM – I –A- C MODEL TO IMPROVE THE PROCESS.
- TO DOCUMENT THE PROCESS CHANGES AND USE A CONTROL PLAN TO PREVENT BACKSLIDING

SYLLABUS:

- MODULE 1 - SIX SIGMA FUNDAMENTALS: UNDERSTANDING LEAN PHILOSOPHY – HISTORY OF LEAN -INTEGRATION OF LEAN AND SIX SIGMA
- MODULE 2 -DEFINE PHASE - PROJECT IDENTIFICATION AND PROJECT MANAGEMENT BASICS
- MODULE 3 -MEASURE PHASE-BASIC STATISTICS- DATA COLLECTION AND MEASUREMENT SYSTEM ANALYSIS
- MODULE 4- ANALYZE PHASE – PROCESS ANALYSIS TOOLS – DATA ANALYSIS TOOLS.
- MODULE 5- IMPROVE AND CONTROL PHASE-LEANTOOLS – CONTROL TOOLS AND DOCUMENTATION

For Registration

- Students can register for the course through the iboss portal of the college website
- The course will be conducted every Saturday online
- Duration: September 2017 - October 2017



mssw.ibossems.com

SIX SIGMA

Six Sigma skills are widely sought by employers both nationally and internationally. These skills have been proven to help improve business processes, performance, and quality assurance.

Course Outcomes :

1. To Communicate using Lean Six Sigma Concepts and relate six sigma concepts to business objectives.

2. To use the D-M-I-A-C model to improve the process.

3. To document the process changes and use a control plan to prevent backsliding.

Syllabus:

Module 1- Six Sigma Fundamentals :Understanding Lean Philosophy – History of lean - Integration of Lean and Six sigma

Module 2- Define Phase - Project Identification and Project Management basics

Module 3-Measure Phase-Basic Statistics- Data collection and Measurement System Analysis

Module 4-Analyse Phase – Process Analysis Tools – Data Analysis tools.

Module 5- Improve and Control Phase-Lean Tools – Control Tools and Documentation



Name	Solution 1	Solution 2	Solution 3	Total	Observation
Aravind Prasad	20	20	25	65	1) Correlation observation is correct however no graph provided. 2) No workings provided for the solution 3) Workings of the solution not provided
Azeem Khan	20	20	20	60	1) Line Graph provided instead of scatter plot. Graph is inconclusive 2) Workings of the solution not provided 3) Complete solution of the problem not submitted
Dinesh Shanker	20	20	0	40	1) Line Graph provided instead of scatter plot. Graph is inconclusive 2) Solution inconclusive 3) Solution for Problem 3 not found
Kevin Jacob	20	20	20	60	1) Line Graph provided instead of scatter plot. Graph is inconclusive 2) Workings of the solution not provided 3) Complete solution of the problem not submitted
Nivedha	20	20	20	60	1) Line Graph provided instead of scatter plot. Graph is inconclusive 2) Workings of the solution not provided 3) Complete solution of the problem not submitted
Nivedita	20	20	20	60	1) Line Graph provided instead of scatter plot. Graph is inconclusive 2) Workings of the solution not provided 3) Complete solution of the problem not submitted
Panchakchhari	20	20	20	60	1) Line Graph provided instead of scatter plot. Graph is inconclusive 2) Workings of the solution not provided 3) Complete solution of the problem not submitted
Priyadarshini	20	35	40	95	
Sanju Abraham	20	20	20	60	1) Line Graph provided instead of scatter plot. Graph is inconclusive 2) Workings of the solution not provided 3) Complete solution of the problem not submitted
Sathiyapriyan	20	20	20	60	1) Line Graph provided instead of scatter plot. Graph is inconclusive 2) Workings of the solution not provided 3) Complete solution of the problem not submitted
Shri Darshini	20	20	15	55	1) Line Graph provided instead of scatter plot. Graph is inconclusive 2) Workings of the solution not provided 3) Complete solution of the problem not submitted
Sneha Seshadiri	20	20	0	40	1) Line Graph provided instead of scatter plot. Graph is inconclusive 2) Solution inconclusive 3) Solution for Problem 3 not found
Sri Ram	20	20	20	60	1) Line Graph provided instead of scatter plot. Graph is inconclusive 2) Workings of the solution not provided 3) Complete solution of the problem not submitted
Suganth	20	20	20	60	1) Line Graph provided instead of scatter plot. Graph is inconclusive 2) Workings of the solution not provided 3) Complete solution of the problem not submitted
Supraja B	25	35	35	95	
Tarun Mathew	25	35	35	95	
Varun Sugavanam	20	20	20	60	1) Line Graph provided instead of scatter plot. Graph is inconclusive 2) Workings of the solution not provided 3) Complete solution of the problem not submitted



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Value Added Course Report (Sep – Oct 2017)

Subject Name: LEAN SIX SIGMA

Time: 9am – 5.30pm

S.NO	STUDENT NAME	16-09-2017	23-09-2017	14-10-2017	21-10-2017
1	ARAVIND PRASAD	P	P	P	P
2	AZEEM KHAN	P	P	P	P
3	DINESH SHANKER	P	P	P	P
4	KEVIN JACOB	P	P	P	P
5	NIVEDHA	P	P	P	P
6	NIVEDITA	P	P	P	P
7	PANCHAKCHARI	P	P	P	P
8	PRIYADARSHINI	P	P	P	P
9	SANJU ABRAHAM	P	P	P	P
10	SATHIYAPRIYAN	P	P	P	P
11	SHRI DARSHINI	P	P	P	P
12	SNEHA SESHADIRI	P	P	P	P
13	SRI RAM	P	P	P	P
14	SUGANTH	P	P	P	P
15	SUPRAJA B	P	P	P	P
16	TARUN MATHEW	P	P	P	P
17	VARUN SUGAVANAM	P	P	P	P

(PROF. SIVA RANJANI)

HEAD OF DEPARTMENT

MA. HROD



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CERTIFICATE OF COMPLETION

This is to certify that

Kevin Jacob

has successfully completed the value added course on

“Lean Six Sigma” in the month of October 2017.

S. Sivaranjani

Ms. Sivaranjani
(Head Of The Department)

Kevin Jacob

Dr. Raja Samuel
(Principal)